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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/765,552	01/26/2004	Koji Suzuki	YKI-0059-C	1629
23413	7590	09/08/2005		
CANTOR COLBURN, LLP 55 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002			EXAMINER VU, JIMMY T	
			ART UNIT 2821	PAPER NUMBER

DATE MAILED: 09/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/765,552	<b>Applicant(s)</b> SUZUKI ET AL.	
	<b>Examiner</b> Jimmy T. Vu	<b>Art Unit</b> 2821	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 23 June 2005.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 19-27 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 19,20,26 and 27 is/are rejected.
- 7) ☒ Claim(s) 21-25 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Response to Arguments***

Applicant's arguments with respect to claims 19-27 have been considered but are moot in view of the new ground(s) of rejection.

Despite applicant's disagreement, the examiner decides to provide new rejection as below. Other references have been incorporated to strengthen the examiner's position with respect to the electroluminescence display apparatus.

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 19, 20, 26 and 27 are rejected under 35 U.S.C. 102(b) as being anticipated by Hikmet (U.S. Patent number 5,748,271).

Regarding claim 19, Hikmet discloses an electroluminescence display apparatus comprising:

a first electrode (5) formed above a substrate (3);

an emissive element layer (7) formed on said first electrode;

a second electrode (9) formed on said emissive element; and

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the thickness of said first electrode is less than  $\frac{1}{2}$  the thickness of said emissive element layer, said thickness of said emissive element layer is approximately 200 nm (Fig. 4; col. 3, lines 47-65, col. 7, lines 1-15).

Regarding claim 20, Hikmet discloses an electroluminescence display apparatus comprising:

- a first electrode (5) formed above a substrate (3);

- an emissive element layer (7) formed on said first electrode,

- a second electrode (9) formed on said emissive element; and

the thickness of said first electrode is less than  $\frac{1}{3}$  the thickness of said emissive element layer, said thickness of said emissive element layer is approximately 200 nm (Fig. 4; col. 3, lines 47-65, col. 7, lines 1-15).

Regarding claim 26, Hikmet discloses an electroluminescence display apparatus comprising:

- a first electrode (5) formed above a substrate (3);

- an emissive element layer (7) formed on said first electrode, the emissive element layer inherently comprises an organic layer that includes at least organic emissive molecules;

- a second electrode (9) formed on said emissive element; and

the thickness of said first electrode is less than  $\frac{1}{2}$  the thickness of said emissive element layer (Fig. 4; col. 3, lines 47-65, col. 7, lines 1-15).

Regarding claim 27, Hikmet discloses an electroluminescence display apparatus comprising:

- a first electrode (5) formed above a substrate (3);

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an emissive element layer (7) formed on said first electrode, the emissive element layer inherently comprises an organic layer that includes at least organic emissive molecules;

a second electrode (9) formed on said emissive element; and

the thickness of said first electrode is less than 1/3 the thickness of said emissive element layer (Fig. 4; col. 3, lines 47-65, col. 7, lines 1-15).

### ***Allowable Subject Matter***

3. Claims 21-25 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

None of the prior art teaches the electroluminescence display apparatus is an active-matrix type comprising the first electrode formed independently at each pixel, and thin-film transistor for driving the emissive element.

### ***Conclusion***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jimmy T Vu whose telephone number is (571) 272-1832. The examiner can normally be reached on M - F: 9 - 6:00.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone numbers for the organization where this application or proceeding is assigned are (571) 273-8300.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2800.

Jimmy Vu

August 23, 2005



Wilson Lee  
Primary Examiner